

MATERIAL SAFETY DATA SHEET



Permanent Painted Coatings

Permanent Painted Coatings

Unit 1 / 4 Prosperity Parade

WARRIEWOOD NSW 2102

Tel: (02) 9999 0122

MARINE CLEAN

Issue: B

Date/Revision: January 2010

Page 1 of 4

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

PRODUCT: PPC Clean

APPLICATION: A liquid used in the cleaning processes of metals.

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

HAZARDOUS INGREDIENTS

Name	%	Hazard symbol/Risk & safety phrases
Potassium hydroxide	5% w.w	C: R35: Causes burns. S2: Keep out of reach of children. S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

3. HAZARDS IDENTIFICATION

Ingestion: CORROSIVE : Will irritate the throat, and stomach. Sickness and nausea may occur. Damage to digestive tract including corrosive effects.

Eye contact: CORROSIVE: Intense watering and soreness. Prolonged contact may cause visual impairment.

Skin contact: IRRITANT: Prolonged contact will cause skin cracking, leading to dermatitis.

Inhalation: HARMFUL : Unlikely in normal industrial practice. Prolonged inhalation will cause irritation, sneezing and bronchial spasm.

This information is given in good faith, being compiled from sources considered to be dependable. It is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. It does not constitute an assessment in use as required under WORKSAFE regulations.

3. ECOLOGICAL EFFECTS

Test type	Species	Low	Qua	High	Units	Time/Ref
Not established						

4. FIRST AID MEASURES

- Eyes:** Flush continuously with clean running water, holding eyelids apart, until medical aid arrives. Do not stop for at least 20 minutes. Consult doctor.
- Skin:** Flush with copious amounts of water whilst removing contaminated clothing. Seek medical advice.
- Ingestion:** Do not induce vomiting. Give several glasses of water to drink. Consult doctor immediately.
- Inhalation:** Remove casualty to fresh air. Wash nose, mouth and throat (gargle) with water. Give milk to drink. Seek medical advice.

5. FIRE FIGHTING MEASURES

- Extinguishing media:** Use foam, powder or carbon dioxide.
- Fire and explosion hazards:** Ethanolamine auto-ignites at 780°C. Corrosive to many metals liberating hydrogen gas.
- Protective measures:** Wear breathing apparatus and fight fire from remote locations.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE) - SEE ALSO (13) DISPOSAL CONSIDERATIONS

- Personal precautions:** Ensure adequate ventilation. Wear protection as detailed in (7).
- Environmental precautions:** If product has entered drains, advise local river authority.
- Recovery:** Mop up using inert media and plastic tools. Place waste in plastic containers and allow to stabilise prior to sealing lid.

7. STORAGE AND HANDLING (IN NORMAL USE)

- Storage:** Store in a cool, dry, well-ventilated area away from direct sunlight.
- Storage temp:** minimum: -12°C maximum: 38°C
- Handling:** Wear protective clothing, footwear, hand/eye protection. Ensure adequate ventilation in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)

OCCUPATIONAL EXPOSURE LIMITS

Name	8hr TWA (EH40)	15 min (EH40)	EEC No	CAS No
LD50 oral (rat) = 2050 mg/kg Potassium Hydroxide	10 ppm	30 ppm	N/A	1310-58-3

ENGINEERING MEASURES: Provide local exhaust ventilation at point of use.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory: If mists or vapours are generated, suitable respiratory protection should be worn.

Hand: Suitable rubber gloves

Eye: Safety glasses/face shield to BS 2092 or equivalent standard

Other: Protective clothing, footwear and barrier creams.

9. PHYSICAL/CHEMICAL PROPERTIES:

Appearance:	Clear liquid
Odour:	Slightly amine-like
pH (as delivered):	>11
Viscosity:	N/A
Boiling point:	>100°C
Flash point	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Relative density (SG):	1.023
Solubility:	Complete in water

10. STABILITY AND REACTIVITY:

Stability:	Stable
Conditions to avoid:	None known
Materials to avoid:	Reacts violently with strong acids and oxidising agents
Hazardous decomposition products:	Oxides of carbon and nitrogen and ammonia vapour

11. TOXICOLOGICAL INFORMATION:**(Acute) short term effects**

Eyes:	Prolonged contact will result in corneal damage.
Skin:	Prolonged contact will result in dermatitis.
Ingestion:	Prolonged contact will result in gastro-intestinal tract impairment.
Inhalation:	Deliberate or prolonged inhalation will result in defatting and drying of the mucous membranes. Tissue damage, bronchial spasms may occur.

(Chronic) long term effects: Lung, liver and kidney impairment if ingested in significant quantities

12. ECOLOGICAL INFORMATION:

Biodegradability:	Complete
Bioaccumulative potential:	Not considered to bioaccumulate
Aquatic toxicity:	Not considered toxic to fish and aquatic invertebrates
Other:	NH ₃ oxidation inhibition (nitrosomonas sp.) = 10 to 25% @ 100 mg/l (ethanolamine)

13. DISPOSAL CONSIDERATIONS:

Do not empty into drains. Do not allow to enter waterways or sewers. Always check and comply with local and state regulations. Dispose of residues at an approved chemical treatment facility.

14. TRANSPORT:

IMDG code:	8	Haz. Chem:	2X	Transport symbol:	Corrosive diamond No. 8
UN No:	3266	RID/ADR:	8,53 ^o (c)	Tremcard No:	80G20
Packing group:	III	Marine pollutant:	No	Issue:	A

Further information: Please note: Transport information is current only from the date of issue of safety data sheet

15. REGULATORY INFORMATION: Refer to the "Chemicals (Hazard Information & Packaging) Regulations".**16. OTHER INFORMATION:**Contact Point

<u>Name</u>	<u>Address</u>	<u>Telephone No.</u>	<u>Contact Point</u>
Permanent Painted Coatings	Unit 1 / 4 Prosperity Parade Warriewood, NSW 2102	(02) 9999 0122	Technical Officer